(i) 
$$4(x + 2y)^2 - 9(x + y)^2$$
 (iii)  $a^2 + b^2 + 96y^4$  (iii)  $a^2 - b^2 + 96y^4$  (iii)  $a^2 - b^2 + 96y^4$  (iii)  $a^2 - b^2 + 96y^4$ 

(iii) 
$$a^2 - b^2 + b^2$$

Q – 17 (a) Construct a triangle ABC such that 
$$m?\overline{AB} = 3.6$$
 cm,  $m\overline{BC} = 4$ cm and  $m\overline{AC} = 5.2$  cm. shwo that its median are concurrent.

(b) Derive with the help of right angle triangle: 
$$tan^2\theta + 1 = sec^2\theta$$

$$Q - 18$$
(a) if  $A = \begin{bmatrix} 1 & 4 \\ 3 & 5 \end{bmatrix}$  and  $B = \begin{bmatrix} 6 & 3 \\ 2 & 1 \end{bmatrix}$  then shwo that  $A^2 - B^2 \neq (A + B)$ 

(A -B).

Q - 16

(b) show that:

Log<sub>a</sub> 
$$\frac{4\sqrt{5}}{2\sqrt{18}} = \frac{1}{4} \text{ Loga 5 - } \frac{11}{5} \text{ Loga 2 - } \frac{2}{3} \text{ Loga 3}$$